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Champion's 1959

PLANTING GUIDE

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U. S. Department of Agriculture

ROSES

SHRUBS

SHADE TREES

FRUIT TREES

VINES

CHAMPION NURSERIES

Phone ALpine 9-2451

NARROWS ROAD

PERRY, OHIO

NOTICE TO OUR CUSTOMERS

We are closed on Sunday and open from 8:00 A.M. until 4:30 P.M. the rest of the week. Orders which are placed three days in advance may be called for on Sunday. For the convenience of our customers in the Cleveland area we will have a truck making deliveries one day each week throughout the planting season. The average cost of this delivery service is 15% of the amount of the order.

IMPORTANT — PLEASE ADD POSTAGE

When you wish to receive your plants by Parcel Post please add 15% for packing and postage. If you do not include postage your plants will be sent express collect or we will bill you for the postage. Trees larger than the 4-5' size will be shipped by express.

SALES TAX NOTICE

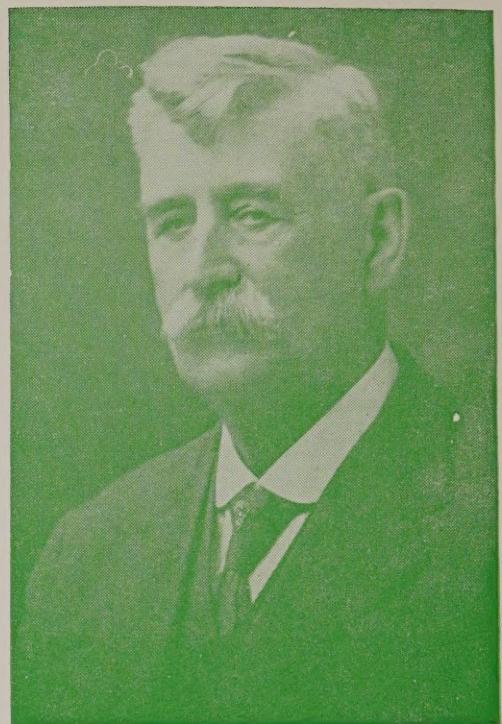
All Ohio customers must include 3% Ohio sales tax on all items.

SATISFACTION GUARANTEED

We guarantee the delivery to you, our customer, of your order in first class condition. If for any reason at all, the shipment does not arrive in first class condition, notify us at once and we will make prompt, satisfactory adjustment. Our stock is healthy and vigorous and if properly planted and cared for will grow. However, if due to unfavorable weather or other conditions over which we have no control they fail to grow we will replace them once at one-half price. You must notify us of the failure to grow not later than July 10th following the season in which they were purchased. However, you must at the time of replacement present a copy of your order.

ORDERS ACKNOWLEDGED

As soon as we receive your order we will mail you a copy of it. Be sure and keep this copy. In case you require an adjustment or replacement it will be necessary for you to present this copy of your order.



HARTWELL J. CHAMPION
Founded the Business



ARTHUR N. CHAMPION
Built the Business

FRUIT TREES

PEACH TREES

	each	10	100
	each	each	each
5 to 6 ft. $\frac{11}{16}$ in. and up	\$2.25	\$1.85	\$1.00
4 to 5 ft. $\frac{9}{16}$ in.	1.75	1.50	.85
3 to 4 ft. $\frac{7}{16}$ in.	1.50	1.25	.70
2 to 3 ft. $\frac{5}{16}$ in.	1.25	1.00	.55
Whips80	.65	.35

DIXIE GEM. Early, ripening 4 to 5 weeks before Elberta, and about a week before Golden Jubilee. Fruits medium sized. Ground color bright yellow, overlaid with light to medium red. Flesh yellow, free when ripe, firm and fine textured.

DIXIRED. The outstanding characteristics of Dixired are its unusual firmness and slow rate of softening for an early peach. It is cherry red to a very dark red and fruit acquires color long before it is ready to pick. Flesh is yellow, medium textured and of a good flavor. Cling. Late July.

ELBERTA. Best commercial money-making variety. Fifty percent of all peaches planted are Elberta. It has proven its ability to adapt itself to varied climatic and soil conditions. Tree hardy, disease resistant, very productive. Fruit large, oval, yellow and red cheek. Flesh yellow, firm, juicy, of high quality. Splendid shipper and keeper. Mid-September.

EARLY ELBERTA. The same Elberta quality and ripening earlier to reach the profitable early market. September 6-10.

FAIRHAVEN. A cross of J. H. Hale and South Haven. Larger than Hale Haven, the fruit being bright golden with red cheek. Skin smooth; flesh firm medium yellow with some red around the pit. Follows Golden Jubilee and precedes Hale Haven in ripening season. August 25-31.

GOLDEN EAST. A large, high colored, good quality peach. September 1-5.

GOLDEN JUBILEE. A large early yellow peach, free-stone, high quality. Ripening date Aug. 20-25. Always popular. Makes a fine backyard variety.

J. H. Hale Improved. Large, yellow

overlaid with carmine. Flesh yellow, fine grained. Late August.

HALE HAVEN. Rightfully placed at the top of all yellow free-stone peaches. September 1-5.

LEMON FREE. The old favorite which is well known. Not too attractive but excellent in quality for canning. September 20-25.

LOUISE. A large yellow flesh peach. Perfect freestone. Firm, well colored, and of good size. Usually ripening in October.

RICH HAVEN: Originated in South Haven, Mich. Rich Haven gives promise of replacing Hale Haven. Fruits are large, uniform in size and shape. Color a bright red blush with stripes of red and gold laid over a bright golden ground color. Fuzz is unnoticeable and the skin is thick and tough, making it a good shipper. Flesh is clear yellow with redding around the pit. Entirely a freestone when ripe. Ripens with Hale Haven.

RED HAVEN. The best of the early yellow peaches coloring unusually well. Aug. 20-21.

REDSKIN. Ripening slightly ahead or with Elberta it is very productive. Round, yellow flesh, well colored, firm, good sized and of excellent quality.

ROCHESTER. A good quality peach ripening early in the peach season. In some areas doesn't get too large but is excellent for canning and table use.

SHIPPER'S LATE RED. A large red Elberta type peach ripening 5-10 days after Elberta.

SOUTH HAVEN. Large, yellow, blotched with red. September 1-5.

SUNHIGH. Ripening ahead of Golden-east. This peach is well worth a trial. It is outstanding for its hardiness.

JERSEYLAND: An early, large, firm, attractive, yellow fleshed freestone, ripening a few days ahead of Golden Jubilee. It hangs well to the tree and is an excellent shipper. Tree is hardy, sets fruit buds freely and comes into bearing early.

WHITE PEACHES

This group of peaches are all white fleshed and are excellent for home use, and are readily saleable at the roadside.

BELLE OF GEORGIA. Very large with red cheek and of excellent quality. September 1-5.

CHAMPION. A very large red cheeked peach which is a heavy bearer. Its flavor and quality are unexcelled. September 3-8.

CUMBERLAND. Probably the best of the white peaches for market use, as it is a very firm fleshed peach. Early August.

Prices same as Yellow Peaches

APPLE TREES

	each	10	100
5 to 6 ft. $1\frac{1}{2}$ in. and up	\$2.25	\$1.85	\$1.00
4 to 5 ft. $\frac{5}{8}$ in.	1.75	1.50	.85
3 to 4 ft. $\frac{3}{4}$ in.	1.50	1.25	.70
2 to 3 ft. $\frac{5}{16}$ in.	1.25	1.00	.55

To insure cross-pollination be sure to plant two varieties.

Our apple trees are produced from carefully selected trees in the orchard and the fruit is outstanding for color, quality, and productiveness.

BALDWIN. An excellent fruit having been on the market for many years. Red in color, flesh medium and of excellent quality. A good keeper, and ranks high for eating or cooking.

CORTLAND (Winter). A McIntosh type, large, round, and red. Hangs on the tree longer than McIntosh and because of its tougher skin, makes a better shipper.

DOUBLE RED DELICIOUS (Winter)
An outstanding apple for table use. Bright red, flesh white and of excellent quality.

FAMEUSE. An old favorite often called snow apple. White, crisp flesh of excellent quality. Bright red in color with a redding under the skin.

FRANKLIN. Produced at Wooster Experiment Station. A cross of McIntosh and Delicious. Flesh faintly yellow, fine grain and delicate texture, mild, moderately juicy, not quite as sweet as Delicious, but with more character than McIntosh.

GRIMES GOLDEN (Winter). Good sized, yellow, very productive and of high quality.

LODI. One of our best early apples. Larger than transparent but with quality and flavor the same. The tree is more spreading and vigorous. The fruit is a better shipper and does not show bruising as much as transparent. It ripens a few days later than transparent.

JONATHAN. The favorite early winter dessert apple. A well colored red apple, snappy, sub-acid flavor. First class for either cooking or eating. A good keeper.

MELROSE (Winter). A cross of Jonathan and Delicious. Fruits larger than Jonathan — firm, crisp, and juicy and of excellent cooking and dessert quality. Fruits ripen just before Staymens and keeps well in cold storage until April.

NORTHERN SPY (Winter). An old favorite which is unexcelled in quality and keeping. Well covered with red, flesh white and tender.

RED MCINTOSH (Autumn). A selected type for its solid red color. One of the best all purpose apples and a very good keeper.

RED ROME BEAUTY (Winter). A strain of Rome Beauty selected for its intense red color.

RED NORTHERN SPY (Winter). Deep red, bears younger, same as Northern Spy in taste and keeping qualities.

RED STAYMEN WINESAP (Winter). A quick and large grower, coming into bearing at an early age. A selected red type of the old Stayman Winesap.

Champion Nurseries, Perry, Ohio

Apple Trees (Cont.)

RUBY (Winter). A cross of Gallia Beauty and Starkings. It is larger and better colored than Gallia Beauty. It also has better eating qualities.

WEALTHY (Autumn). The best of the autumn apples as it bears young and is of exceptional sub-acid quality. Unexcelled for cooking.

YELLOW TRANSPARENT (Summer). This tree is extremely hardy and comes into bearing young. The fruit is of good size and of clear yellow color. Ideal for home market and a good seller.

YELLOW DELICIOUS (Winter). Same delicious quality as Red Delicious, but the color is a clear yellow. Tastes more mild and even better than Grimes Golden. Firm, crisp and very juicy.

FRUITING CRAB APPLES

Beautiful in flower and the fruit will make excellent jelly.

Prices of crab apples are the same as that of other apples.

HYSLOP. Tree is vigorous and very hardy. Fruit medium, yellow grounded with heavy shadings of deep crimson and maroon. Flesh fine, firm and yellow. The fruit appears in clusters which makes tree very ornamental.

SWEET CHERRIES

	10 or More EACH	EACH
2 yr. 5-6 ft.	\$3.00	\$2.50
2 yr. 4-5 ft.	2.60	2.30
2 yr. 3-4 ft.	2.20	1.95

Bing

This valuable black cherry succeeds everywhere. Flesh very solid, flavor of the highest quality, a fine shipping and market variety. Midseason

Black Tartarian

Earlier than most other sweet cherries. It adapts itself to a wide variety of soil and climatic conditions.

BLACK RUSSIAN. The tree is vigorous, hardy and highly productive. It has shown no injury at 15 to 20 below zero. The fruit is medium in size and does not crack. Very dark in color being almost black. Ripens just before Schmidt.

GOVERNOR WOOD. One of the best sweet cherries. Very large, light yellow, marbled with red, juicy, rich and delicious, tree large, healthy and a good bearer.

Lambert

Jet black when fully ripe. The fruit is meaty, juicy and has a very rich flavor. Late July.

Napoleon

Royal Ann. A beautiful cherry of large size; pale yellow with bright red cheeks; flesh firm, juicy and sweet; one of the best for market.

Schmidt

The fruits are black and large. The tree is vigorous and productive. July.

Windsor

Fruit large, liver colored and distinctive. Flesh remarkably firm and of high quality. A valuable late variety. July.

POLLINATION: When planting Lambert or Napoleon be sure to plant one tree of another variety. Windsor is a good variety to use as it is a thrifty, vigorous tree and is a good pollinator.

SOUR CHERRIES

	EACH	^{10 or More} EACH
2 yr. 5-6 ft.	\$2.50	\$2.00
2 yr. 4-5 ft.	2.10	1.85
2 yr. 3-4 ft.	1.85	1.60

Brassington

A superior cherry fast gaining in popularity. Its large size, distinctive flavor, and bearing ability recommend it for trial. Tree upright, dense and very productive. Fruit averages one half to three quarters of an inch in diameter. The fruit is light red juicy and has a sub acid pleasant flavor.

Early Richmond

Has long been the leading sour cherry of its season. Tree of medium size and bears heavy crops when it is young. The tree thrives well in a wide range of soil and climatic conditions. June.

English Morello

The best of the late sour cherries after monmorency. It is not for table use or to eat out of hand. However most any way it is prepared it is excellent. The fruit is resistant to black rot and hang on the trees well after ripening.

Montmorency

This is the most popular sour cherry grown in America. Vigorous, productive, and fine quality.

ORANGE QUINCE TREES

For Jelly, Jam and Marmalade

Its pre-eminence as a fruit for jellies and preserves makes the Quince a profitable tree for the fruit grower, the farmer or anyone having a small garden. Fruit is large golden yellow and of excellent quality; ripens early in September. Quince trees do not require much space, as they are of dwarf type, growing about 10 to 15 feet tall.

4 to 6 ft. \$2.50 each

PINEAPPLE QUINCE

Fruit smooth golden yellow, white fleshed with a slight pineapple like flavor. For eating and making jellies. Ripens September.

4 to 6 ft. \$2.50 each

PEAR TREES — Produced from blight-resistant strains

	^{10 or More} EACH	^{100 or More} EACH	
2 yr. 5-6 ft.	\$2.50	\$2.00	\$1.25
2 yr. 4-5 ft.	2.10	1.85	1.10
2 yr. 3-4 ft.	1.85	1.60	1.05

POLLINATION

Two varieties are needed. The only combination that is cross-incompatible is Seckel and Bartlett. A third variety is needed with the above two.

SUMMER VARIETIES

Bartlett. The fruits are large, handsome, and of a high quality, keeping and shipping remarkably well making it very desirable for the table or for market use.

Clapp's Favorite. It is the standard summer pear to precede Bartlett, which it much resembles, in size, shape, flavor and color.

Gorham. The fruit ripens two weeks later than Bartlett and keeps a month longer. The fruit resembles Bartlett in size, color, and shape.

Cope's Seedless Pears

This new variety resembles Bartlett but is seedless and coreless, and shows great resistance to fire blight. It ripens a few days later than Bartlett. Much time is saved by not having to core each pear when preparing it for use.

Bosc - A large yellow pear with white flesh, rich and delicious. It has a long stem allowing it to sway in strong winds without dropping. Highly productive and keeps until Xmas.

Duchess. Very large and rich and juicy. Pick them before maturity, wrap in tissue paper and pack them away for complete ripening.

Flemish Beauty. A large, beautiful, very juicy and rich pear. September.

Keiffer. Grown in all sections of the U. S. and Canada. The tree is practically immune to blight. Very thrifty, and bears constant and heavy crops. The fruit is large, yellow, often blushed and is one of the best pears for distant markets.

Seckel. (Sometimes called the sugar pear). A small pear of excellent flavor, fine for pickling or dessert, very productive and a profitable commercial pear.

DWARF PEAR TREES

They are ideal for the home owner with a small lot. They take up very little space and yet are very productive, taking into consideration the miniature size of the tree. The fruit is of standard size.

Bartlett, Duchess, Seckel and Clapp
4-5 ft. \$4.00 each
3-4 ft. \$3.00 each

PLUMS AND PRUNES

Prices of Prune, Plum

	EACH	10 or More EACH
2 yr. 5-6 ft.	\$2.50	\$1.95
2 yr. 4-5 ft.	2.10	1.85
2 yr. 3-4 ft.	1.85	1.60

NOTE—Most American and European Plums seem to be self-fertile and produce fruit on their own pollen, but produce better when inter-planted with other varieties. Oriental varieties have been found to be self unfruitful and should always be interplanted at all times. Abundance is considered one of the general pollinizers.

Prunes

Italian Prune (Fellenburg). The fruit is fine flavored whether eaten out of hand, prepared for the table or cured as a prune. Fruits very large purplish black with very thick bloom. September.

Stanley Prune. Ripens about September 10th. A medium to large, blue prune-type plum; flesh is greenish yellow. Juicy, firm and of good quality. Stone is free.

German Prune. Large, dark purple, sweet, good, one of the most popular for canning because of its sweetness and lack of acid.

Plums

Abundance, (OR.). Medium sized red, with yellow juicy tender flesh. Trees large and hardy, ripening in August.

Burbank, (OR.). Large red fruit on a hardy and productive tree in late August.

Lombard. Fruits medium to large, dark red very attractive and tempting to the eye, and readily saleable. August.

Reine Claude - Best known as Green Gage. Fruit medium size, cling stone, greenish yellow, flesh is juicy, very mild and sweet. Unsurpassed for canning.

Shropshire Damson. Tree is a great producer bearing large crops of good dark purple plums year after year. October.

Yellow Egg. Golden yellow with thick bloom. Flesh yellow and juicy. A very large and beautiful plum, fine for local market. September.

APRICOTS

Prices of Apricots and Nectarines

	EACH	10 or More EACH
2 yr. 5-6 ft.	\$2.50	\$2.05
2 yr. 4-5 ft.	2.10	1.85
2 yr. 3-4 ft.	1.90	1.60

Popular in all sections where Peaches do well.

Hungarian. Grows to an immense size. The fruit large and of a good quality, beautifully colored a deep yellow, with yellow flesh, and a very fine flavor.

NECTARINES

A smooth-skinned Plum-Peach. Tree grows like Peach. Fruit looks like large Plum. The flavor, both Peach and Plum.

Goldmine. A freestone ripening with Alberta, medium in size with good quality, and very attractive yellow flesh.

JUMBO FRUIT TREES

For several years the demand has steadily increased for larger, nicer, and quicker bearing trees. We now offer them in limited quantities. These are called JUMBO trees as it is often possible to reduce the time from planting until you pick your first fruit, from one half to three quarters of the time required by most regular grade nursery trees. The SUPPLY of these "Jumbo" trees is limited and if you are anxious to make use of this wonderful opportunity we would suggest that you fill out the enclosed order sheet at once so you will be sure to receive your ORDER of "Jumbo" trees which will be shipped to you at the correct planting time or you may specify the shipping date.

"JUMBO" SWEET CHERRY	"JUMBO" APPLE TREES	"JUMBO" PEAR TREES
\$5.00 each	\$4.00 each	\$4.50 each
"JUMBO" SOUR CHERRY	"JUMBO" PEACH TREES	
\$4.50 each	\$4.00 each	

DWARF APPLE TREES

VARIETIES AVAILABLE

1
DOUBLE RED DELICIOUS
RED JONATHAN
RED STAYMEN WINESAP
RED McINTOSH
YELLOW TRANSPARENT

CORTLAND
WEALTHY
YELLOW DELICIOUS
R. I. GREENING

On Malling Understock
3 to 4 ft. \$4.00 ea.; 3 for \$11.00
4 to 5 ft. \$5.00 ea.; 3 for \$14.00

MULTIPLE APPLE TREES

It's a one-tree orchard. We have grown these for years and can recommend them highly. The ideal tree to plant in limited areas.

2
A WHOLE ORCHARD
ON A SINGLE TREE
5 VARIETIES ON ONE TREE

These trees are made possible by budding varieties from the earliest to the latest. An ideal tree where space is limited. The varieties grafted on 5-in-1 Trees will vary, but most generally consist of McIntosh, Yellow Transparent, Double Red Delicious, Yellow Delicious and Northern Spy.

2-3 yr. 11/16 in. up, \$4.00
3-4 yr. 11/16 in. up, \$5.00

GRAPES

There is real satisfaction in seeing your vineyards and orchards thrive and bear abundantly. With the aim of developing and propagating the best and most profitable varieties of grapes and other fruits, we offer the following list. Given good care grapes bear well on almost any soil. They prefer a sandy or gravelly loam.

2 yr. No. 1, 70c each
10 for \$5.00

Caco. Fruit very large in handsome complete bunches, a rich wine-red over amber, very large bearer. Its flavor is sweet and distinctive. Mid-season.

Concord. The standard blue grape and probably the most extensively grown grape in the U. S. When fully ripe it is almost black. Ripens in early fall.

Freドonia. A new productive, very black grape, ripening with Portland. The bunch and berry are large with excellent flavor, and ripens about ten days ahead of Moore's Early and is an excellent shipper as it does not crack. This grape fills a long-felt need. A juicy, delicious black grape on a vigorous and productive vine.

Niagara. Clusters of large and handsome pale yellow berries. It ripens with Concord and is the best white grape for the home market.

Golden Muscat

This comparatively new variety requires a season fully as long as Concord, but deserves a good trial wherever it has a possible chance to ripen. Valuable for home use and roadside market. The berries are large and meaty, having very few seeds, usually one or two, which are easily separated from the pulp. It makes a large, pyramidal, compact, well-filled cluster.

2 yr. No. 1, \$1.35 each

SEEDLESS CONCORD

A new grape that is fast proving a favorite with the home owner. Of high quality being unexcelled when eaten out of hand. The home garden is not complete without this outstanding grape.

2 yr. No. 1, \$1.35 each

SMALL FRUIT PLANTS

ASPARAGUS

Mary Washington. This is considered one of the best Washington kinds of asparagus. It starts early and produces a heavy crop of very large, tender asparagus. Green in color, and very good quality.

25, \$2.60; 50, \$4.35; 100 \$7.00

CURRANTS

Red Lake. Originated in Minnesota. It has been well tested and should prove a success in all sections. The berry is very large and a bright red. A heavy yielder and should stand at the top.

2 yr. No. 1, 90c each
10 for \$8.00

GOOSEBERRIES

Downing. Fruit is large, handsome pale green and of highest quality. Bush is a good grower.

Red Jacket. Large size with red berries of good quality.

2 yr. No. 1, \$1.25 each
10 for \$10.00

PRUNING BEFORE PLANTING

Pruning stock at the time it is transplanted assures more rapid recovery, providing less heavy top to be supported by the roots which themselves are burdened with the task of re-establishing tiny feeding rootlets. Use a sharp knife or shears.

Small Fruit (Con't.)

RHUBARB Champion's Red

A market growers' choice. Strong 1 yr. whole roots, $\frac{1}{2}$ inch to 1 inch caliper.

2 yr. No. 1, 35c each
10 for \$2.50

Chipman's Canada Red

Our newest and best rhubarb. Very sweet. Stalks are deep red clear through. Makes a colorful sauce or pie.

2 yr. No. 1, \$1.00 each
10 for \$9.00

BLUEBERRIES

Easy to Grow
Very Ornamental

Set the plants 5 to 7 feet apart in moist acid soil. Fruit ripens over a period of several weeks. Plant two or more varieties so as to insure proper pollination.

Prices on Hybrid Blueberries of Cabot Rancocas, Rubel, Jersey. All plants well rooted.

3 yr. No. 1, \$1.90 each
3 for \$5.00; 10 for \$14.00

BOYSENBERRY

NEW! SENSATIONAL! THORNLESS

We offer it again this year because of the tremendous large size of the berries; because of its prolific fruits; and lastly, because we think that it has the highest qualities of all bramble fruits.

No. 1 plants, 40c each
10 for \$3.00

BLACKBERRIES

Blower. This berry is claimed to be the hardiest, most productive and finest quality and commands the highest price. The berry is jet black, an excellent shipper.

Eldorado. This is one of the most valuable berries for market and home use, being very large, sweet, and having no hard core.

No. 1 plants, 10 for \$2.50

HORSERADISH

This popular condiment is very easily produced in the home garden and anyone who has compared to freshly dug article with that sold over the counters can appreciate the value of the good, home-grown products so easily prepared.

Whole Roots, 30c each
10 for \$2.75

NUT TREES

New Chinese Chestnut

Several years ago chestnut blight destroyed our native chestnut. Since that time the U. S. Department of Agriculture has been searching for a blight resistant strain. After many tests it was found that a type of Chinese Chestnut was not only blight resistant but an early bearer of large, good quality nuts.

18-24 inch, \$2.00 each

English Walnut Trees

In 1915, H. J. Champion, the founder of this business planted several small English walnut trees around the house in which he lived. In a relatively short time these came into bearing and today are large shapely trees bearing annually a goodly amount of nuts which are of good size, thin shell, and of unusually good flavor and quality.

18-24 inch \$2.50
12-18 inch \$1.50

PROPER PLANTING

Trees, shrubs and flowers require immediate and careful attention for successful results in planting. They must not be exposed to the wind or sun before planting, and should be cultivated and watered after planting to assure quick establishment.

Black Raspberries

New Logan. Black, earlier than Cumberland and picks heavier over a short season. Resistant to drought and will often produce a crop when other varieties fail. It is also somewhat disease resistant.

10, \$2.50, 25 \$4.50; 50, \$7.60; 100, \$13.20; 250, \$28.50; 500, \$46.00; 1000, \$80.00.

RED RASPBERRIES

Latham

Latham is a tall, vigorous grower, the canes are extra heavy, well able to support the load of fruit. The foliage is healthy, dark green, tough and leathery, highly resistant to insects. The berries are beauties and will cause a sensation wherever they are shown. Many are over an inch in diameter and they hold this size to the end of the season. Color dark, rich red.

Everbearing Raspberries

Indian Summer (Red). Indian Summer seems to be meeting with general favor. The berries are much larger than other so-called everbearing raspberries, roundish, conical, medium red, slightly crumbly and of excellent quality. The summer crop ripens very early; the autumn crop from September on to frost. Plants are hardy, vigorous, about medium height, and bear heavy crops.

PRICES

LATHAM and INDIAN SUMMER

10, \$2.85; 25, \$5.00; 50, \$8.55; 100, \$14.85; 250, \$32.05; 500, \$51.75; 1000, \$90.00.

HANDLING UPON ARRIVAL

Receive your stock without delay and plant just as soon as possible. Plants received in freezing weather should not be opened until they have been put in a cool but frost proof cellar and gradually thawed out. The stock will not be injured if gradually thawed out in this way.

Stock which seems somewhat dry upon opening should be buried in wet soil for a day or so. This will quickly liven the stems and make them ready for planting. Small bundles may be placed in tubs of water for the same results.

PROPER PLANTING DISTANCES

FRUIT TREES

Apples, Cherries	30 to 40 feet apart
Pears, Plums, Peaches, Apricots,	
Quinces	15 to 25 ft.
Grapes	6 by 6 ft. to 8 by 10 ft. apart
Currants, Gooseberries,	
	4 to 6 ft. to 6 by 8 ft. apart
Blackberries, Raspberries, etc.	
	3 by 6 ft. to 6 by 9 ft. apart
Dwarf Fruits	
	Half the above general distance
Asparagus	1 ft. apart; rows 3-4 ft.
Rhubarb	3 ft. apart

AFTER CARE

Frequent cultivation after planting will maintain a dust mulch on top of the soil to conserve moisture and continue growth. Hoeing rather shallow gives best results in this respect and keeps beds free from weeds and orderly in appearance.

In dry spells, artificial watering is strongly advised. Don't sprinkle. Water thoroughly. If a hose is used, remove the nozzle and let the water soak into the ground until saturated down to the roots. No further water is needed for several days if this is followed. Watering in the evening or in early morning is best.

HARDY FLOWERING SHRUBS

Abelia

Glossy Abelia. This delightful shrub bears a continuous supply of pink and white flowers from early summer until frost. Foliage is very glossy and shrub reaches maturity at about 3 feet.

18 to 24 inch, \$3.00 each, 3 for \$8.00

Flowering Almond

Almond. A very charming, attractive shrub in early spring, being in full bloom before its leaves appear. The flowers are small double and light pink and a mass of these in the right spot certainly will draw many well deserved compliments.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Althea

Rose of Sharon. Blooms late in August and September, with a profusion of large and brightly colored flowers, much like the tender hibiscus in form. Double rose, double white, double purple, double red, single red and single white.

2 to 4 ft. \$1.50 each; 3 for \$4.00

Amelanchier canadensis. Commonly known as shadblow or serviceberry. It grows into a bushy tree of thirty feet. It bears maroon-purple fruit or seeds.

2 to 3 ft. \$1.75 each, 3 for \$4.50

Aralia

Pentaphylla. (Five - leafed Aralia). Long, slender, gracefully drooping branches a rich shiny green. Unique among shrubs in that it does not change color.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Aronia

Arbutifolia. A small shrub with white flowers in spring, red berries and highly colored foliage in fall.

18 to 24 inch \$1.50, 3 for \$4.00

Beautyberry

Callicarpa Purpurea. Gracefully curving branches, covered in August with thousands of closely set small pink tinted flowers. These are followed in late September by masses of violet-purple berries which last until mid-winter.

18 to 24 in. \$1.30 each, 3 for \$3.50

Beautybush

Kolkwitzia Amabalis (Beauty Bush). A charming shrub with attractive leaves and gracefully arching branches. The beautiful flowers appear in great profusion in June, in pairs which cluster closely in cymes of about twenty-five; bell shaped and somewhat lipped, pale pink with orange veins in the throat.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Blue Mist

Caryopteris. This low growing plant is one of the best of the border plants. It is covered from August till frost with clusters of powdery blue fringed flowers. It attains a height of from 18-24 inches and remains perfectly rounded, making a small mound about two feet in diameter. The foliage is toothed and silvery green in color. It is a gorgeous asset to the flower border or in front of the shrub border.

2 to 3 ft. \$1.40 each; 3 for \$3.75

Butterfly Bush

Buddleia. A sensational group of late summer bloomers, long spike flowers which give a gorgeous show. They may be purchased in white, purple, pink, and red.

2 yr. No. 1, \$1.30 each, 3 for \$3.50

Chionanthus

Virginica. One of the most striking small trees. Its handsome, oblong leaves turn a bright golden yellow in autumn. In June large masses of loose panicles of feathery petaled, snow-white flowers make it an outstanding garden plant.

18 to 24 inch, \$2.00 each.

Cotoneaster

Apiculata. Beautiful, neat, low spreading hardy aristocratic appearing shrub with graceful arching branches. Crisp, shiny green foliage complemented through fall and early winter by abundance of attractive red cranberry-like fruits.

12 to 15 inch, \$3.25

Cotoneaster Divaricata. A spreading shrub usually growing to a height of about six feet. Leaves small and waxy green. In autumn and partially thru the winter it is covered with bright red fruit.

2 to 3 ft. B&B \$3.00 each, 3 for \$8.00

Sweet Pepper Bush

Clethra Alnifolia. A small shrub very fragrant in August and September, when covered with long snowy wands of creamy white flowers. It is used well in a border close to a house where the fragrance may drift in through the window.

18 to 24 in. \$1.30 each, 3 for \$3.50

Garland Flower

Daphne Cneorum. A hardy dwarf shrub with spreading branches seldom growing taller than 10 to 12 inches. The masses of bright pink fragrant flowers appear in May and again at intervals during the summer and fall. Evergreen foliage.

10 to 12 in \$3.00 each

Calycanthus

Floridus (Carolina Allspice). The strong reddish brown shoots are covered with large glossy leaves from the axils of which spring odd double spicy flowers of chocolate red which are quite fragrant.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Deutzia

Gracilis. (Slender Deutzia). An excellent shrub for border planting and very attractive when covered with its many bead-like buds which open into pure white flowers in June. Two feet.

12 to 15 in. \$1.20 each; 3 for \$3.25

Deutzia Gracilis Rosea. The favorite pink flowering dwarf deutzia. It matures between four and five feet and has very good foliage. The outside branches have a drooping habit.

2 to 3 feet \$1.50 each, 3 for \$4.00

Lemoinei. (Lemoine's Deutzia). Medium large flowers of pure white borne in cone shaped heads, attains a height of four feet.

18 to 24 in. \$1.30 each; 3 for \$3.50

Scabra. (Pride of Rochester). Grows more bushily and blooms in May before the others. The flowers are large, free and double white.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Dogwood

Cornus Elegantissima - variegated leaf dogwood. One of the better shrubs for both summer and winter color. The bare twigs are a shiny red and the leaves are green and white.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Cornus Flaviramea. (lutea) Very much like stolonifera but with bright golden yellow stems.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Cornus Mascula. (Cornelian Cherry). The small button shaped flower appear in early spring before the leaves, and in the fall the oblong scarlet fruit is very attractive.

3 to 4 ft. \$2.25 each

Cornus Stolonifera. A red bark shrub with clusters of white flowers. Very colorful in fall and winter, with a very dark bark and white fruit.

2 to 3 ft. \$1.40 each; 3 for \$3.75

Euonymus

Euonymus Alatus. A spreading shrub to eight feet. The stems have very prominent corky ridges and the foliage turns to brilliant red in fall.

18 to 24 inches \$1.50 each; 3 for \$4.00

EUONYMUS ALATUS COMPACTA

(Burning Bush). Yellow flowers in May-June, followed by red fruits. In autumn the leaves turn brilliant coppery crimson tinged rose. Has unusual corky bark. Thrives in partial shade or full sun. Perfectly hardy, makes a compact bushy plant 4 to 5 feet wide. Not particular as to soil. Very ornamental and attracts attention spring, summer, fall, and winter.

12-18 in. \$1.80; 18-24 in. \$2.80

Euonymus Europea. Erect shrub and sometimes a small tree often reaching 20 feet. The flowers are yellow but the plant is grown largely for the show of the many pink fruits in the fall.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Witch-Hazel

Virginiana. A native shrub growing 7 to 10 feet high, somewhat slow growing. It has small yellow flowers in October. Prefers shade or wet soils.

2 to 3 ft. \$1.50; 3 for \$4.00

Forsythias

Golden Bells

Spectabilis. A type very similar to *Intermedia*, in growth and habit, but having a much larger flower and many more blooms on each plant.

2 to 3 ft. \$1.30 each; 3 for \$3.50

Lynwood gold - Deep golden flowers borne in great profusion. The flowers are large, the foliage attractive with upright to drooping growth habits.

2 to 3 ft. \$1.50; 3 for \$4.00

Spring Glory - A spectacular new forsythia which bears masses of much larger blooms than older varieties. Brilliant large yellow flowers cover the branches. Canes grow erect with gracefully drooping tips.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Suspensa. This is the only weeping form of the golden bells. Slender drooping branches strung with yellow flowers and followed by many shiny dark green leaves. May be used to good advantage on trellis and along the top of rock walls. Can be planted on banks, where it is difficult for other plants to grow.

2 to 3 ft. \$1.30 each; 3 for \$3.50

Fringe Bushes or Trees

Purple Fringe Red leaf. (*Rhus Cotinus*) (Smoke Tree). A spreading shrub or small tree covered with large clusters of round leaves, overhung in summer by mist-like clouds of tiny flowers. These are light lavender when they first appear and give the impression of smoke from the distance. Foliage red.

2 to 3 ft. \$4.00 each

Honeysuckle

2 to 3 ft. \$1.40 each; 3 for \$3.75

Lonicera Bella Albida. A white flowering bush honeysuckle reaching about 8 feet when fully grown. Is an excellent shrub in shade or in a shrub border.

2 to 3 ft. \$1.40 each, 3 for \$3.75

Lonicera Fragrantissima. (Winter Honeysuckle). Early pink and white fragrant flowers with its bright green foliage retained all winter if somewhat sheltered.

Lonicera Korolkowi. This shrub is very bushy and has attractive bluish leaves. Makes an excellent screen.
2 to 3 ft. \$1.50 each, 3 for 4.00

Lonicera Tatarica Rubra. (Red Tatarian Honeysuckle). Light crimson flowers in early summer, with abundant red fruits following the flowers.

HONEYSUCKLE — (Continued)

Lonicera Zabelli. A new honeysuckle to the gardener. Leaves are glabrous and the flowers are much redder than any of the other varieties which we have to offer. This variety is a good grower and is well used in border or group planting.

Hydrangea

Arborescens Grandiflora. (Hills of snow). In a mass planting the large bunches of flowers resemble a bank of snow, and are in bloom from July to September. By cutting back to the crown each year they may be kept round and dense.

18 to 24 in. \$1.30 each; 3 for \$3.50

Paniculata Grandiflora. (Pee-Gee Hydrangea). Fine for tall hedges or may be pruned to compact round clumps. Very attractive when laden with their massive blooms which are first snow white and then pink, finally becoming reddish bronze.

2 to 3 ft. \$1.20 each; 3 for \$3.25

Paniculata Grandiflora, Tree Type. Same as above but on stem about 3 to 4 feet forming a bushy head with its giant showy blooms.

3 to 4 ft. \$2.50 each

Blue Hydrangea

Nikko. The only hardy Blue Hydrangea which we have seen. It has withstood the last twenty winters here at our nursery and during that time we recorded a temperature of 22 degrees below zero. Its flowers stay bright and fresh for a long time after blooming. The plants develop into broad clumps bearing in August a profusion of intense blue flowers. These showy plants attract attention and admiration wherever used.

3 yr. heavy clumps \$2.00, 3 for \$5.50

Hypericum

Aureum. Large brilliant double golden yellow flowers in spring on a dwarf shrub. Foliage dark green.

2 yr. No. 1, \$1.50

Hidecote (gold flower). A much improved hypericum which originated on the Hidecote estate in England. The flowers are waxy-yellow and are produced freely from early summer until frost. The foliage is by far the best of all of the Hypericums which we grow.

15-18 in. \$1.20 each; 3 for \$3.25

Ilex Verticillata. Commonly called Black Alder or Winterberry this plant usually reaches a height of 8 to 10 feet. It is grown mostly for the great abundance of the attractive red fruit which it produces and which stays on the plants until mid-winter.

2 to 3 ft. \$1.50 each, 3 for \$4.00

Kerria Japonica. Also known as Japanese Rose. The branches as well as the leaves are bright green and the clear golden yellow flowers are very showy.

18 to 24 inches \$1.50 each, 3 for \$4.00

LILACS

Syringa Persica. (Persian Lilac). Medium growing with slender branches topped with a purple spiked flower.

2 to 3 ft. \$1.40 each

Syringa Vulgaris. (Common Purple Lilac). The old fashioned but still beautiful light purple lilac, very fragrant and prolific bloomer.

2 to 3 ft. \$1.50 each

French Hybrid Lilacs

2 to 3 ft. \$2.75 each

Chas. Joly. Beautiful large double red flowering lilac.

Ellen Wilmot. A large glorious double flower of pure white.

FRENCH HYBRIDS — (Continued)

Leon Gambetti. Double, lilac rose to purplish lilac; both the individual flowers and the trusses are very large. An outstanding variety.

Ludwig Spathé. Darkest of the reds, a deep purplish red shade.

Pres. Grevy. A compact flower of deep blue. Double.

Pres. Poincaire. An extra large flower of deep bluish purple, which does not fade when coming into full bloom. Double.

von Horstenstein. It produces large spikes of clear lavender flowers which have a fragrance all their own.

Lindera Benzoin

Spice Bush. The foliage of this bush is of a very spicy fragrance. It is covered with small, creamy-white flowers and very hardy in this area.

2 to 3 ft. \$1.50

Potentillas

Potentilla Gold Drop. A really choice shrub for foreground planting. When fully grown the bushes are symmetrical and about 2½ feet tall. The plants are dense with deeply cut leaves and bright golden yellow flowers blooming from June until October. They are very hardy.

12 to 18 inches 1.50 each, 3 for 4.00

Potentilla Katherine Dykes. A graceful, small, 3 foot high shrub. Upright in growth but very compact. The flowers are bright yellow and it blooms from June until November. The foliage is dense and fern like.

12 to 18 inches \$1.50 each, 3 for \$4.00

Flowering Quince

Cydonia Japonica. Scarlet flowers early in the spring followed by small quince shaped fruit that is quite fragrant. The foliage is shiny and the growth is dense, making it desirable as a planting specimen.

18 to 24 in. \$1.40 each; 3 for \$3.75

Rhodotypos

Rhodotypos Kerriodes. (Jet Bead). often called white Kerria. A well rounded shrub covered with light green leaves and large single white flowers in May. Shiny black seeds in clusters follow the flowers and remain on the plant all winter.

2 to 3 ft. \$1.60 each, 3 for \$4.25

Mock Orange

Philadelphus Coronarius. (Old Fashioned Mock Orange). blooms in very graceful sprays in May. Flowers white and slightly scented. May be used for tall screens.

2 to 3 ft. \$1.40 each; 3 for \$3.75

Philadelphus Virginalis. (New Virginal Mock Orange). A magnificent new variety with good foliage and a compact habit of growth. The flowers are double, semi-double, and single, the flowers being of the largest, most beautiful and sweetest scented of all the mock oranges. It blooms the earliest and also the longest. It is without question the leader of the mock oranges.

2 to 3 ft. \$1.40 each; 3 for \$3.75

Rosa Hugonis

Father Hugo Rose. A mound of gold early in May with their bright yellow blossoms that bloom ahead of other Roses, thus making them more attractive. It is truly a lovely addition to the garden. May be planted as a shrub border, hedge or as specimens.

3 to 4 ft. \$2.50

Golden Syringa

Golden Mock Orange. Very valuable to use in contrast with green foliage shrubs. Its foliage is small, refined, and a very brilliant yellow. The white flowers are very sweetly scented.

15 to 18 in. \$1.90 each; 3 for \$5.25

Alpine Currant

Ribes Alpinum. Commonly called alpine currant. A dense shrub reaching 4 to 5 feet in height. It makes an excellent hedge in the shade.

15 to 18 inches \$1.50 each, 3 for \$4.00

Viburnum

2 to 3 ft. \$1.50 each; 3 for \$4.00

Viburnum Americanum. (American Cranberry). Covered with many bright red berries which hang on through the winter. Broad flower clusters with usually only the outer fringe fully open.

Viburnum Burkwoodi. This is really an improved carlesi. The flowers are waxy bluish white and have a very good fragrance. The plant is about 6 feet high and spreads from 5 to 6 feet. The foliage is waxy green in summer changing to a brilliant red in fall.

18 to 24 inches \$3.50 each, 3 for \$9.50

Viburnum Carlesi. The waxy white fragrant flowers appear in early spring. This snowball is a great favorite. Very hardy, easily grown and will do well in partial shade.

12 to 18 inches \$3.00 each, 3 for \$8.00

Viburnum Dilitatum. Known as linden viburnum it is an excellent shrub either in the mixed border or as an individual specimen. It matures between 10 and 12 feet and has excellent foliage and is a beautiful sight in autumn with the great masses of bright red berries which hang on the plant well.

V. Dentatum. (Arrow Wood). May and June flowers are creamy white. The fruits are bluish black and appear in autumn.

Viburnum Lantana. This excellent shrub often reaches 15 feet. It has a thick leathery looking leaf and is covered with bluish black fruit. It is well used in borders, individually and also makes a good hedge.

V. Lentago. (Nannyberry). Flowers of pure white in great clusters through May and June, with large bluish black fruit.

V. Opulus. (European Cranberry). Beautiful dense brilliant green foliage, with large bunches of crimson berries all winter. The flowers are dense clusters about four inches across and pure white.

Viburnum Opulus Nanum. A dwarf stubby plant never over 2 feet tall. It can be well used in hedges and edgings in heavy wet ground. It is very hardy and does well in light shade. Requires very little care.

10 to 12 inches 1.50 each, 3 for 4.00

V. Sterilis. (Snowball). The old fashioned snowball that is in full bloom Decoration Day. Its large dazzling creamy white blooms, that when planted alone or in a mass give a wonderful show.

Viburnum Tomentosum. One of our better large shrubs, upright but very bushy with good green foliage which turns to a brilliant red in the fall.

Spirea

Anthony Waterer. Dwarf plant with beautiful dark green foliage, well rounded shrub, with large brilliant rosy crimson flowers which last over a long season, but is at its best in midsummer.

12 to 18 in. \$1.30 each; 3 for \$3.50

Van Houttei. The old favorite white spirea. Quite common but yet one of the best of shrubs. A good grower with good foliage and masses of large white flowers. A perfect fountain of pure white blooms in May and June.

2 to 3 ft. 80c each; 10 for \$6.00

Weigelia

Eva Rathke. The most distinct variety blooming later in July and most showy with its abundance of deep carmine flowers.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Hendersoni. A good rank grower and is well used as a screen plant and it often attains a height of twelve feet. A good bloomer being covered with beautiful pink flowers.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Nana Variegated. (Dwarf Variegated Weigelia). Leaves margined and streaked creamy white. A fine shrub for contrast or foreground planting. It bears many pink flowers in June.
2 to 3 ft. \$1.50 each; 3 for \$4.00

Weigelia Florida Atrapurpurea. The new red leaved weigelia is a dwarf shrub very compact and is outstanding with great masses of reddish pink flowers.

18 to 24 inches \$2.00 each, 3 for \$5.00

Vaniceki. Vigorous growing red Weigelia similar in flower and foliage to Eva Rathke. One of the finest red Weigelias. Blooms heavily in the spring, and again there is a fine showing of bloom in late summer and autumn.

2 to 3 ft. \$1.50; 3 for \$4.00

Russian Olive

Eleagnus Angustifolia. Attractive silver gray leaves, white berries. Used frequently for hedges and wind-breaks. Very hardy.

2 to 3 ft. \$1.50 each; 3 for \$4.00

Tamarix

Tamarix Summer-Glow. The newest, and by far the best variety. Great profusion of wine-red flowers produced all summer. Lacy, silvery-blue evergreen-like foliage, grows ten feet tall but can be easily pruned lower. Thrives in sun or part shade, in even the driest soils.

2 to 3 ft. \$1.40 each; 3 for \$3.75

HEDGE PLANTS

Artic Willow

Salix Purpurea Nana. A new dwarf plant that will most likely become one of the leaders in this field. A blue leaf, low growing willow, suited for hedges and borders. Very hardy.

12 to 18 in. 50c ea., 20 or more 35c ea.

Barberries

Berberis Atropurpurea. (Red Leaf Barberry). A brilliant accent shrub as a solitary specimen or in a close group among duller foliage. This varitey starts in its spring foliage a warm bronzy red brilliancy, the heat of summer bringing out a red brilliancy, with autumn adding other tints to its richness. The abundant scarlet berries persist throughout the winter. A sunny exposure is required for the best color effect.

12 to 15 in. 70c each, 10 for \$6.00

Berberis Thunbergi. (Japan Barberry) The ideal low hedge plant, hardy, tough and of compact growth, adapted to shearing. The leaves are a beautiful green in the summer turning to a reddish bronze in autumn and being covered with shiny red berries all winter. It is customary to plant about 12 to 15 inches apart for a thick hedge, but 2 feet is close enough where individual expression is desired.

12 to 15 in. 50c ea., 20 or more 45c ea.

Berberis Mentorensis. Mentor barberry is drought resistant and the shiny green leaves remain green until about Jan. 1. It may well be used individually or in a hedge.

15 to 18 inches \$1.00 each, 10 for \$9.00, 100 for \$80.00

Privets

Ligustrum Amurense. (Amur River Privet). A hardy northern group type, upright and tall growing, the leaves a good dark green and makes an ideal hedge.

18 to 24 in 43c ea., 20 or more 38c ea.
100 for \$28.00

Ligustrum Ibolium. (Ibolium Privet). The ideal hedge plant, with the beauty of California Privet and the hardiness of Ibota Privet. Its semi-evergreen foliage makes it an attractive all-around hedge plant.

18 to 24 in. 38c ea., 20 or more 33c ea.
100 for \$26.00

Ligustrum Ovalifolium (California Privet). Quick growing, dense, straight well clothed shoots. A dark shiny green, most used where hardy.

18 to 24 in. 38c ea., 20 or more 33c ea.
100 for \$26.00

Ligustrum Regalianum. (Regal's Privet). Strong very hardy type with dark shiny leaves. The branches are stiff and horizontally spreading gracefully, drooping at the ends.

12 to 18 in. 90c each

SHADE TREES

Prices on shade trees are at the nursery. If you wish trees packed and shipped, please add \$1.00 per tree to cover extra labor and material involved.

Birch

Betula Alba Lacinata. (Cut Leaf Weeping Birch). The bark is similar to the white birch in color. The tree is tall and slender, but a vigorous grower with graceful and weeping habit, together with the cut leaf foliage presents such beauty as has never been seen before in a single tree. Wonderful lawn specimen often planted in a row to edge the drive.

5 to 6 ft. \$7.00 each
6 to 8 ft. \$8.00 each

White Birch, three or more stems. A very attractive item. It is grown with three or more stems instead of the usual single trunk.

4 to 5 ft. clump birch \$7.00 each

Elms

Ulmus Pumila. (Chinese Elm). A type especially adapted to dry locations but does well under any normal conditions. In this section we consider it a partial dwarf and it develops into a small compact tree.

6 to 8 ft. \$5.00 each

Moline Elm. A tall spreading tree with dark green foliage. It has the true elm shape. One of the cleanest trees we know of either for the yard or the tree lawn.

6 to 8 feet \$6.00 each

Moraine Locust. (Fast growing seedless shade tree). Similar in form to the American elm. The finely cut foliage provides good shade, yet allows enough sunlight to filter thru to promote healthy lawn growth.

6 to 7 ft. \$9.00 each

Sunburst Locust. Bright golden foliage on 8 to 10 inches of branch tips contrast with the rich green of the balance of the tree. Sunburst has been planted from coast to coast and grows well in most any location.

6 to 8 feet branched trees \$10.00 each

Maples

Acer Dasycarpum. (Silver or Soft Maple). A hardy rapid growth and large size is valuable for quick shade. Its leaves are good sized light green above and silvery beneath, turning to a light red and bronze in

Shade Trees (Con't)

autumn. It produces shade quicker than any other variety.

6 to 8 ft. \$4.00 each
8 to 10 ft. \$5.00 each

Acer Saccharum. (Sugar Maple). A native and one of our best shade trees. Rather slow growing but one is well repaid for waiting as it develops into a large spreading tree which colors beautifully in the fall.

6 to 8 ft., \$8.00

Acer Platanoides. (Norway Maple). Deep green foliage, and strong branches, which resist storms and require no trimming. Natural globe shape head. Attains a height of 60 feet.

6 to 8 ft., \$8.00

Acer Schwedleri. (Schwedler Maple). This is a beautiful tree in all seasons. In the spring, the foliage is a reddish purple, followed by a bronzy green color in the summer. It is very attractive in the fall when its foliage is a golden yellow. It is recommended for specimen planting in lawns. Symmetrical in growth. Not a fast growing tree.

6 to 8 ft., \$8.00

Crimson King. (Plant Pat. 735). (*Acer Platanoides Schwedleri nigra*). This is a beautiful form of the Schwedleri maple. It is a brilliant crimson and retains its color all through the summer months. One of the most outstanding ornamental shade trees ever produced.

6 to 8 ft., \$9.00
5-7 ft. Whips \$5.00

Poplar

Bolleana Poplar. Will grow quickly to a tall spire. Its leaves are glossy green, silvery beneath, creating a pleasing effect when stirred by the breezes.

6 to 8 ft. \$2.50; 3 for \$6.75

MULCHING

Grass clippings, straw manure, or marsh hay will serve instead of a dust mulch to conserve moisture and keep down weeds where cultivation cannot be given.

Mountain Ash

Sorbus Aucuparia. (European Mountain Ash). A large ornamental tree with compound ornamental leaves; white flowers in spring and clusters of bright orange red berries in the fall. Grows to a large size. Very attractive.

6 to 8 ft., \$8.00

Weeping Willow

Salix Babylonica. (Spring only) (Weeping Willow). Tall, upright, massive in form, with its long slender branches growing straight downward. Weeping Willow is always attractive. It is especially so in summer when the pendulous branches sway gently in the breeze, and the long, slender lustrous green leaves show a bright silver reflex. Willows grow rapidly, will thrive in wet places and like to be near water, but do not mind being planted elsewhere, as they grow heartily in almost any location.

6 to 8 ft., \$5.00

Plane Tree

Platanus Orientalis. (Sycamore). Often called oriental plane tree. Usually used along streets and new allotments where quick shade is required. A lofty wide spreading tree with deeply lobed leaves. The bark is grayish green in the summer, but it sheds its bark in spots, giving it a mottled appearance as the spots of its trunk that are revealed are a creamy white.

6 to 8 ft., \$8.00

PROPER PLANTING DISTANCES SHADE TREES

Large trees, such as Elm, Ash, etc. 30 to 50 ft. Medium trees, such as Linden, Birch, etc. 25 to 40 ft.

WATERING

Water thoroughly rather than sprinkle lightly. Give the soil all the water it will take at one time. No more need be applied for several days as a rule when this is done.

Flowering Trees

Flowering Cherry

Kwanzan Flowering Cherry. We have seen the spectacular Flowering Cherries in Washington, yet this one superb variety is always the most impressive. Trees bloom a year or two after transplanting. Grow 20-30 ft. tall. Double, bright rose-pink flowers completely clothe the branches in early spring.

3 to 4 ft., \$5.00

Weeping Flowering Cherry

Weeping heads grafted on straight trunks about 6 feet tall. Flowers are small, single and pale pink.

5 to 6 ft., \$8.00

Flowering Crabs

Malus Eleyi. (Red Flowering Crab). The young shoots are fuzzy and covered with red foliage resembling the Japanese maple. The flowers are rich red in color and appear in clusters much like apple blossoms, followed in the fall by red fruits in large clusters which are very attractive.

3 to 4 ft., \$3.00 each

Malus Hopa. (Hopa Crab). A very attractive variety of strong upright growth. It bears a profusion of very large double flowers of an unfolding rose-red. The fruits are large, edible with distinctive red flesh.

3 to 4 ft., \$3.00 each

Malus Ioensis Plena. (Bechtel's Crab). The only perfect double flowered crab. Its many delicate pink blooms appearing like small pink roses of delightful fragrance. A very popular tree and much desired for the home grounds.

3 to 4 ft., \$3.00 each

Flowering Plum

Prunus Triloba. The flowering plum blooms in May, before the leaves come out. The delightful double, bright pink flowers on every twig so thick that no wood is visible. A gorgeous sight in spring.

3 to 4 ft., \$3.00 each

Flowering Dogwood

Cornus Florida. (White Flowering Dogwood). The flowers are three to four inches across and appear in great profusion in spring before the leaves are out. The foliage is grayish green and is very handsome and in the autumn turns to a rich crimson hue.

3 to 4 ft., \$4.00 each

Cornus Florida Rubra. (Red Flowering Dogwood). A slow grower making small compact growth covered with large red flowers in early spring. And like the Florida its leaves turn crimson red in autumn.

2 to 3 ft., \$5.00

Cornus Kousa. (Chinese Dogwood). The flower heads are extremely large, frequently 5 to 6 inches across, the white bracts overlapping the button-like mass of real flowers. It is one of the finest Chinese plants introduced to America. It flowers in June and they remain in good condition for nearly a month. The fruits are large like strawberries, and enjoyed by the birds. Its foliage turns scarlet in autumn.

3 to 4 ft. \$4.00

Flowering Hawthorns

Paul's Scarlet. Deep crimson-scarlet very double. This is one of the most attractive small trees for specimen planting.

3 to 4 ft., \$4.00

4 to 5 ft., \$5.00

Flowering Trees (Con't)

HAWTHORN — (Continued)

Crataegus Cordata. This is the old favorite Washington Thorn. It is an upright growing shrub to twenty feet. It is often used as a hedge. It is thick with beautiful green foliage which turns to a scarlet red in the fall.

**3 to 4 feet B&B \$6.00 each,
3 for \$16.50**

Laburnum

Vossi. Goldenchain tree. A small ornamental with drooping racemes of yellow flowers in spring. Grows 15 to 20 feet high.

5 to 6 ft., \$7.00

Red Leaf Plum

Prunus Cistena. A small tree which has small pinkish white flowers, but being used largely for its bright red leaves.

3 to 4 ft., \$2.50

Prunus Newport. Similar to the above variety, but grows a little larger and the color of the leaves is a trifle darker and may be used where a little larger tree is desired.

**3 to 4 ft., \$2.50
4 to 5 ft., \$3.00**

Prunus Thundercloud. The dark red foliage is this trees greatest attraction. Most red leaved trees lose much of their color during the summer but this is one of the few that retains its full color until the leaves drop in fall.

3 to 4 ft. \$2.75, 4 to 5 feet \$3.50

Magnolia

Magnolia Soulangeana. Saucer Magnolia). One of the hardiest and finest of all the magnolias. Its blooms are from three to five inches across, cup shaped, white and rosy violet, opening before its leaves, which are massive and glossy green.

2 to 3 ft., \$6.00 each B&B

Magnolia Nigra. It is generally known as the purple lily Magnolia. It grows to a height of about 8 feet. The large flowers are blood red and is the darkest of all the magnolias.

2 to 3 feet, \$6.00 each B&B

Magnolia Stellata. The earliest blooming of all magnolias. The flowers are white and shaped like a star, hence the common name Star Magnolia.

18 to 24 inches \$6.00, 2 to 3 feet \$7.50

Flowering Peach

Amygdalus Persica. (Double Red Flowering Peach). A beautiful red flowering small tree which is indeed one of the showiest when it breaks into full bloom in the early spring. Its flowers are large and double.

3 to 4 ft., \$2.50 each

Red Bud

Cercis Canadensis. (Red Bud or Judas Tree). A small tree of irregular form with attractive heart-shaped leaves. When the great quantities of small rose-colored blooms appear before the leaves, it gives one the impression of a cloud of pink smoke from the distance.

3 to 4 ft., \$4.00

VINES AND GROUND COVERS

Boston Ivy

Ampelopsis Veitchi. This is one of the finest hardy climbers that we have that will cling to walls and probably the most popular. The color is bright green in summer changing to the brightest crimson and yellow in the autumn.

2 yr. No. 1, \$1.35 each

Clematis

Jackmani. A very deep purple large flowered variety.

2 yr. No. 1 plants, \$1.60 each

Mad. Andre. The best crimson red we have seen, of the large flowered varieties.

2 yr. No. 1 plants, \$1.60 each

Ramona. A very large deep blue flower.

2 yr. No. 1 plants, \$1.60 each

Henryi. Large flower, pure white.

2 yr. No. 1 plants, \$1.60 each

Champion Nurseries, Perry, Ohio

Vines and Ground Covers

(Con't)

English Ivy

Hedera Helix. (Hardy Strain). A lovely evergreen as well as a ground cover. Does well in dense shade.

Pot plants .50 each

Rooted Cuttings

25c each, \$15.00 per 100

Honeysuckle

Lonicera Halliana. Hall's Honeysuckle.

A very dense vine used either as a ground cover or on a wall. It has creamy white flowers.

2 yr. No. 1 plants 70c each; 10 for \$5.00

Lonicera Heckrottii. An exquisite new variety. Immense showy clusters of trumpet-shaped buds with fragrant flowers measuring up to 2 inches across. Outside petals brilliant flame-pink, inside a creamy golden yellow. Dark glossy foliage. Can be sheared to form a hedge or shrub or allowed to grow naturally as a vine. Blooms freely from early spring until heavy frost.

2 yr. No. 1 plants, \$1.30 each

Silver Lace Vine

Polygonum Auberti. A very rapid growing vine averaging 25 feet in a single season, producing a great pro-

fusion of silvery sprays from late summer into fall. The leaves are small and bright.

2 yr. No. 1 plants, \$1.20 ea.; 3 for \$3.35

Pachysandra

Terminalis. (Japanese Spurge). A perfect plant for shady areas where grass will not grow. Beautiful waxy green foliage that stays green all winter. Plants spread rapidly. Plant one to two feet apart.

10 for \$2.00; 100 for \$17.00

Hardy Myrtle

Vinca Minor. (Hardy Myrtle). A trailing evergreen plant, used for covering the ground under trees and on banks where it is very difficult to get grass to grow. In early summer there are many blue flowers.

10 for \$2.00; 100 for \$17.00

Wisteria

Wisteria Magnifica. Noblest and oldest of the vines. Often attains a great age with large woody trunk. The long flowers which are lilac blue with faint yellow spots, hang in large racemes.

2 yr. No. 1 plants, \$1.80 each

BROADLEAF EVERGREENS

Chinese Azalea

Azalea Mollis. A small bushy plant covered in spring with large bright pink or yellow flowers. Very desirable for cemetery planting as it is usually in bloom over Memorial Day.

12 to 15 inch, \$3.00 each

Azalea Kaempferi. (Torch Azalea). One of the most popular and colorful. Known among growers as vigorous and free blooming.

12 to 15 inch, \$3.50 each

Azalea Gable Hybrids. (Assorted Colors). Large flowers in most colors with almost evergreen foliage. Very outstanding.

12 to 15 inch, \$3.50 each

Euonymus

Coloratus. (Purple Leaf Creeping Euonymus). A purple leaf form of E. Radicans. This plant carries a rich green color throughout the summer and in the autumn turns to a purplish-red color which remains with it until spring. A wonderful plant for mass planting on banks and on stonework.

12 to 18 inch, \$1.30 each

Patens. (Sieboldi). A spreading evergreen shrub with bright green foliage which carries the rich green color throughout the year. Best used in group planting and is an ideal plant for border work.

12 to 18 inch, \$1.60 each

Broadleaf (Con't)

Vegetus. (Big Leaf Wintercreeper). Bushy with round dull green leaves. This plant is a sight in winter when it is covered with its bright scarlet fruit.
12-15 in. \$2.00 ea., 15-18 in. \$2.50 ea.

Japanese Pieris

Pieris Japonica. This plant creates attention wherever used. The glossy green leaves appear crowded at the ends of the branches. The graceful clusters of creamy white flowers appear in April and are very fragrant.
12-15 in. B&B \$4.00 each

Holly

Ilex Crenata Bullata. (Convexleaf Japanese Holly). The glossy small convex leaves are so numerous that the twigs are invisible. As an accent plant it is unexcelled and planted in group plantings it blends well. It is semi-formal. It is also beautiful as a dwarf hedge.

12 to 15 in. B&B \$4.00 each

Ilex Crenata Rotundifolia. Similar to the above with more round leaves, thicker and more compact.

15 to 18 in. B&B, \$4.50

Ilex Glabra. (Inkberry). Loose spreading shrub maturing at 3½ ft. The shining dark green leaves and small dark berries make it outstanding. Is excellent in shady spots.

15 to 18 in. B&B, \$4.50

Mahonia

Mahonia aquifolium - Oregon Holly grape. Has shiny, large spiny, holly like leaves, which turn a bronzy red in the fall. In spring the clusters of yellow flowers are very attractive. The flowers are followed by blue fruit in June and July. It does very well in light shade as well as full sun.

18-24" B&B \$4.50 each; 3 for \$12.50

Pyracantha

Firethorn. A most remarkable berried shrub that retains its foliage all winter. The attractive long trusses of pure white flowers are only a prelude to the big show. An abundance of brilliant orange-scarlet berries follow the bloom and the bush becomes a mound of flame with the effect lasting well into the winter. Blooms in May.

15 to 18 inch \$2.20 each

Rhododendron

Rhododendron Hybrids. Long the favorite of the old fashioned garden. They do require an acid soil, and a constant supply of moisture is helpful. They are without doubt the most outstanding of all flowering shrubs.

12 to 15 inch \$5.00

15 to 18 inch \$6.50

18 to 24 inch \$7.50

EVERGREENS

Arborvitae

18-24 in. \$3.00, 2-3 ft. \$4.50, 3-4 ft. \$6.00

Thuja Occidentalis Nigra. (Dark green American Arborvitae). Upright, broad based dark green foliage, dense from ground up.

Thuja Occidentalis Elegantissima. A type very similar to the American Arborvitae, but a more compact tree

of much darker green color with bright yellow tips on the leaves. This coloring from a distance gives a light yellow cast.

Thuja Pyramidalis. (Pyramidal Arborvitae). A very dense columnar type, with dark green foliage, probably the most compact and erect Arborvitae.

Evergreens — (Continued)

Globes

Thuja Compacta. Dwarf dense little trees which do not require trimming and still retain their round globe shape. Balled and burlapped. Soil intact.

12-15 in. \$2.50; 15-18 in. \$3.00

Junipers

Juniper Glauca Hetzi. A spreading type similar to Pfitzer, but more rapid in growth; decidedly blue, stands shearing well, and is a dense grower.

12-15 in. B&B \$3.25 each

Juniper Pfitzer. Exceptionally beautiful, graceful and hardy. No wonder it is the most popular of all dwarf evergreens. Handsome, feathery, gray-green foliage covers arching, spreading branches as it develops a broad, picturesque form. Resistant to city dust and smoke. Maturity spread 4 ft.

15-18 in. \$4.50; 18-24 in. \$5.00 each

Yew

Taxus Cupidata. A compact, spreading variety; dark green foliage; scarlet berries in autumn. Can be trimmed or will grow to 6 ft.

15-18 in. \$5.50 each

Taxus Hicksi. Beautiful, dense, columnar form; bright red berries in the fall. Does well under any circumstances. Used in place of the favorite pyramidal Arborvitae.

18-24 in. \$6.00 each

Taxus Intermedia. One of the best of the spreading yews with heavy dark green foliage.

15-18 in. \$5.50 each

Roses

FLORIBUNDAS

Floradora. Constantly in bloom and an entirely new shade in Roses—a brilliant geranium or cinnabar-red, as arresting under artificial light as in the garden. Floradora blooms are always the eye-catchers. 2½ to 3 ft. Highly rated by the American Rose Society, with a rating of 8.2 out of 10.

2 yr. No. 1 \$1.50 each, 3 for \$4.00

Improved LaFayette. Sturdy, upright plants grow 2½ to 3 feet tall. Glowing red blooms, deeply suffused a vivid crimson. The open flowers are of very pleasing, informal shape; slightly fragrant. Fine bedding and hedge rose; free flowering all summer and fall.

2 year No. 1, \$1.50 ea., 3 for \$4.00

Climbing Roses

Blaze. Hardy everblooming rose which inherits the blazing color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz, thus combining the most attractive features of both its parents. A vigorous climbing variety that will grow to a considerable height.

\$1.25 each; 3 for \$3.25

New Dawn. Everblooming Dr. Van Fleet. A lovely soft pink. Blooms throughout the summer and fall.

2 year No. 1, \$1.25 each; 3 for \$3.25

PEONIES

Divisions \$1.00 each; Clumps \$3.00

Couronne D'or. Large white blossoms with crimson blotches.

Edulis Superba. Very early old rose pink

Festiva Maxima. Pure white, flecked with crimson.

Felix Crousse. Mid-season brilliant ruby red.

Fragrance. Very outstanding, being an off shade of red.

Marchioness of Lansdowne. Large white shaded pink.

Mons Jules Elie. A glossy lilac shading a deeper pink at the base. The entire flower is overlaid with silver cast.

President Taft. Delicate pink, completely enveloped in a halo of white. A very profuse bloomer.

Sarah Bernhardt. A late bloomer, flat, compact rose type, rose pink with silvery tip. A bright apple blossom pink.

PROPER PLANTING DISTANCES

FRUIT TREES

Apples, Cherries.....	30 to 40 feet apart
Pears, Plums, Peaches, Apricots,	
Quinces	15 to 25 ft.
Grapes.....	6 by 6 ft. to 8 by 10 ft. apart
Currants, Gooseberries,	
	4 by 6 ft. to 6 by 8 ft. apart
Blackberries, Raspberries, etc.	
	3 by 6 ft. to 6 by 9 ft. apart
Dwarf Fruits	
	Half the above general distance
Asparagus.....	1 ft. apart; rows 3-4 ft.
Rhubarb	3 ft. apart

PRUNING BEFORE PLANTING

Pruning stock at the time it is transplanted assures more rapid recovery, providing less heavy top to be supported by the roots which themselves are burdened with the task of re-establishing tiny feeding rootlets. Use a sharp knife or shears.

Trees. Remove about one-third of the top from average heavy tops, by clipping branch ends and removing small branches and interfering limbs. Cut off frayed or bruised roots just above the point affected. Leave one branch or stem to develop into a leader.

Heeling-in Stock Temporarily

Dig a trench sufficiently deep and wide to receive roots and at least a third of the top without crowding or breaking roots. Lean the stock bundles or trees at an angle, to save extra digging. Fine soil should be used so that the roots can be packed well to prevent air-pockets and drying out. Water when the ground is dry and heap the soil well about the stems of the stock. If trees or shrubs are to be heeled-in over winter, they should be well covered and all packing material removed to prevent mice from nesting and damaging stock.

JUMBO BEARING AGE GRAPE VINES

\$1.50 each; 3 for \$4.00

You may refer to the list of grape varieties in our catalog and make your own selections of varieties.

PREPARATION OF THE GROUND

Spade and plow thoroughly and deeply, raking or harrowing the soil fine and leveling off to facilitate planting. Dig holes generously wide and deep to receive root system without crowding or cramping roots. Loosen the soil in the bottom of the hole so that the roots may grow "in" readily. Poor soil may be benefitted by spading manure in sometime in advance of planting.

REMITTANCE

All orders should be accompanied with remittance by Post Office money order, Express money order or personal check. We can not accept C. O. D. orders unless they are accompanied by 25% of the total amount of the order. Due to our heavy overhead expense we can not accept orders less than \$2.50.

RECEIVING STOCK IN COLD WEATHER

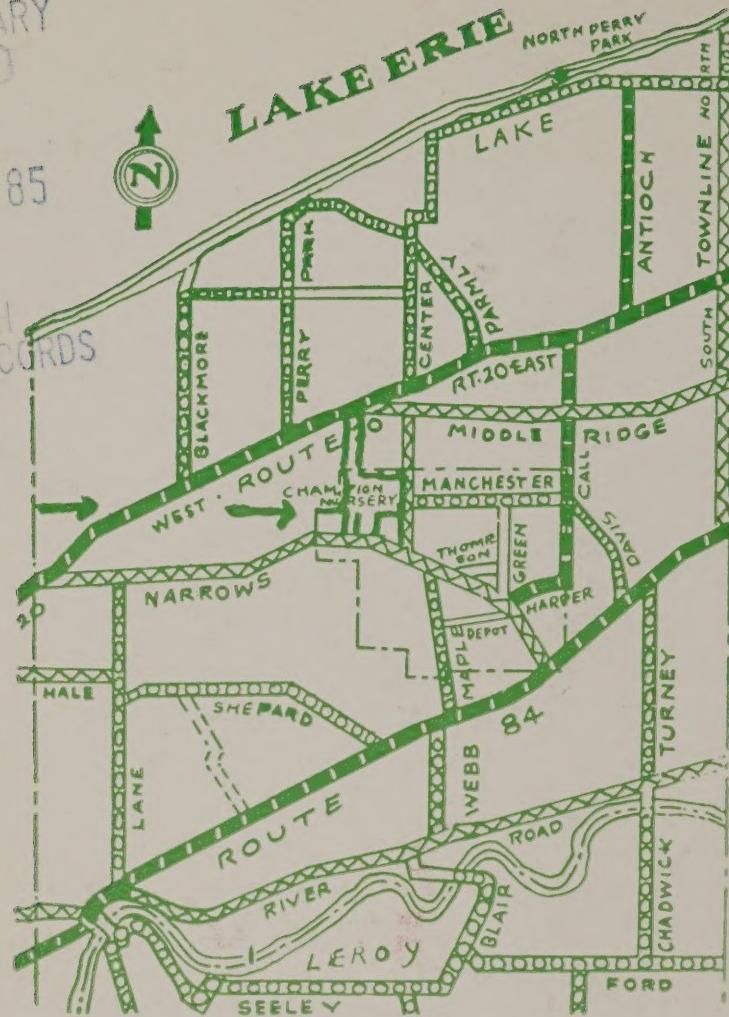
In event it should turn cold after your stock has been shipped to you and there is a possibility that there is frost in the box in which the stock is shipped, put the box in a place where the temperature is above freezing—a cellar or a frost-proof building, and do not disturb for 5 to 7 days, at which time stock can be removed from the box in first-class condition. Under no circumstances should you open a box when you think there is frost in it, it will kill it. But if allowed to thaw out in the box, the stock will not be injured. Be sure and follow this practice.

PRUNING FRUIT TREES

Cut off frayed or bruised roots just above the point affected. Fruit trees in branched sizes should be pruned so that three to five branches well placed around the main trunk shall remain. These should be pruned back so that they are 4 to 8 inches in length. Whips should be pruned to 30" from the ground or less.

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